

Title (en)

STERILIZATION METHOD OF FOOD SEALED IN CONTAINER AND FILLING SYSTEM

Title (de)

STERILISATIONSVERFAHREN FÜR IN BEHÄLTER EINGESIEGELTE NAHRUNGSMITTEL SOWIE ABFÜLLUNGSSYSTEM

Title (fr)

PROCÉDÉ DE STÉRILISATION D'UN ALIMENT SCELLÉ DANS UN CONTENEUR ET SYSTÈME DE REMPLISSAGE

Publication

EP 2245947 A4 20111005 (EN)

Application

EP 08869306 A 20081203

Priority

- JP 2008071943 W 20081203
- JP 2008003315 A 20080110

Abstract (en)

[origin: EP2245947A1] To provide a sterilization method of container-packaged food which has a high effect on mixture food of solid food/soup and a filling system where all processes and devices can be simplified, a pre-seal lid material (PS), that has been cut to a dimension covering the opening of a cup filled with solid food, e.g. a dimension corresponding to the outer circumference of the flange of the cup, is fixed to a cup holder (CH) at a position for covering the cup opening by means of a holding bolt (31a) without being fusion bonded to the cup flange portion (CF), while a ventilation state between the head space of the cup and the air in a sterilization chamber is maintained. Thereafter, steam sterilization to the cup is performed in the sterilization chamber and the cup is transported to a clean box, filled with sterilized soup.

IPC 8 full level

A23L 3/00 (2006.01); **A23L 3/16** (2006.01); **B65B 7/28** (2006.01); **B65B 31/04** (2006.01); **B65B 55/04** (2006.01); **B65B 55/06** (2006.01)

CPC (source: EP US)

A23B 7/0056 (2013.01 - EP US); **A23L 3/04** (2013.01 - EP US); **A23L 3/10** (2013.01 - EP US); **B65B 55/027** (2013.01 - EP US); **B65B 55/18** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2009087840A1

Cited by

IT201900017153A1; EP3643182A4; EP3680192A4; WO2021059180A1; WO2019015253A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2245947 A1 20101103; **EP 2245947 A4 20111005**; **EP 2245947 B1 20120822**; JP 2009159928 A 20090723; JP 5077556 B2 20121121; US 2010296967 A1 20101125; US 8337752 B2 20121225; WO 2009087840 A1 20090716

DOCDB simple family (application)

EP 08869306 A 20081203; JP 2008003315 A 20080110; JP 2008071943 W 20081203; US 81223408 A 20081203